

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092424\  
 Data File : BP021994.D  
 Acq On : 24 Sep 2024 13:37  
 Operator : RC/JU  
 Sample : SSTD08041  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD080619

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024  
 Supervised By :mohammad ahmed 09/28/2024

Quant Time: Sep 24 15:17:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:01:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.710  | 152  | 123175   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 470118   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 368861   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.116 | 188  | 935381   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 1015294  | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.839 | 264  | 1138165  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 102228   | 32.509 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 726958   | 80.874 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 819856   | 81.369 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.052  | 67   | 474506   | 76.480 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.258  | 132  | 607880   | 83.385 | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.416  | 113  | 643116   | 80.550 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.852  | 128  | 298729   | 84.898 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.569  | 143  | 355896   | 89.205 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 741405   | 85.572 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.604 | 131  | 844677   | 81.708 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.728 | 166  | 2339585  | 82.052 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 2609046  | 86.425 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.545 | 143  | 416802   | 85.459 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.328 | 176  | 2074385  | 82.246 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 200  | 493468   | 84.974 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.222 | 188  | 3544624  | 81.174 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.598 | 212  | 4604983  | 87.547 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.621 | 264  | 5152211  | 86.073 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 106534   | 31.274 | ng/uL  | 98       |
| 5) Pyridine                   | 3.658  | 79   | 735113   | 80.496 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.863  | 77   | 360688   | 63.281 | ng/u1  | 99       |
| 8) Phenol                     | 6.922  | 94   | 839974   | 79.883 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.146  | 93   | 624970   | 77.656 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.287  | 128  | 608529   | 80.520 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.152  | 108  | 619656   | 81.255 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 562099   | 75.289 | ng/u1  | 99       |
| 16) Acetophenone              | 8.522  | 105  | 1052178  | 79.226 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 547999   | 79.594 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.481  | 108  | 665040   | 79.969 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.775  | 117  | 276696   | 77.559 | ng/u1  | 92       |
| 22) Nitrobenzene              | 8.899  | 77   | 857455   | 79.705 | ng/u1  | 99       |
| 23) Isophorone                | 9.428  | 82   | 1536159  | 82.438 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.599  | 139  | 372257   | 87.204 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.657  | 107  | 797992   | 82.520 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.893  | 93   | 858380   | 79.914 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 723578   | 84.059 | ng/u1  | 98       |
| 30) Naphthalene               | 10.522 | 128  | 1992106  | 80.533 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 833668   | 81.425 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.804 | 225  | 587281   | 76.844 | ng/u1  | 98       |
| 34) Caprolactam               | 11.422 | 113  | 224613m  | 86.137 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 796997   | 85.584 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.128 | 142  | 1503223  | 81.773 | ng/u1  | 99       |

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| 37) 1-Methylnaphthalene       | 12.345 | 142  | 1530835  | 82.571 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.498 | 216  | 1118133  | 81.761 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.481 | 237  | 689780   | 80.186 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 707553   | 86.546 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 763729   | 86.267 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.145 | 154  | 2129964  | 80.749 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.187 | 162  | 1735353  | 81.711 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.393 | 65   | 561707   | 91.468 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.781 | 163  | 2320322  | 81.020 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.898 | 165  | 501161   | 91.282 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.045 | 152  | 2657320  | 84.409 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.228 | 138  | 406698   | 81.364 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.387 | 153  | 1881827  | 82.268 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.434 | 184  | 335080   | 89.698 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 461670   | 83.669 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.728 | 168  | 2712405  | 79.758 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 753690   | 89.080 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 721778   | 84.697 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.163 | 149  | 2286976  | 80.689 | ng/ul  | 97       |
| 61) Fluorene                  | 15.381 | 166  | 2299951  | 81.323 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 1321174  | 81.140 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.410 | 138  | 391608   | 76.977 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198  | 526180   | 83.224 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 1972687  | 80.073 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 918009   | 81.725 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 1101296  | 80.745 | ng/ul  | 97       |
| 70) Atrazine                  | 16.575 | 200  | 913123   | 83.086 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.763 | 266  | 754128   | 82.871 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.163 | 178  | 3915853  | 79.844 | ng/ul  | 99       |
| 74) Anthracene                | 17.257 | 178  | 3991421  | 79.975 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216  | 1138339  | 81.099 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 14.651 | 250  | 1212165  | 78.529 | ng/ul  | 98       |
| 77) Carbazole                 | 17.539 | 167  | 3447508  | 78.376 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.128 | 149  | 4033110  | 79.528 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.251 | 202  | 5301723  | 88.184 | ng/ul  | 100      |
| 82) Pyrene                    | 19.627 | 202  | 5517299  | 85.258 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.574 | 149  | 1982158  | 87.888 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 1842276  | 79.250 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 5731385  | 81.913 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.474 | 149  | 2744179  | 82.931 | ng/ul  | 100      |
| 87) Chrysene                  | 21.598 | 228  | 5294245  | 80.623 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.727 | 149  | 4684511  | 83.316 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.804 | 252  | 6084983  | 86.123 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.868 | 252  | 5928679  | 84.281 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.698 | 252  | 5546994  | 85.203 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.592 | 276  | 7129208m | 83.972 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.662 | 278  | 5683054  | 83.107 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.745 | 276  | 5586953  | 84.822 | ng/ul  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

